

WHAT IS CLAIMED IS:

1. A system for editing a web site having a plurality of web pages, said system comprising:

5 a task editing module configured for creating, modifying and removing a plurality of tasks that may be invoked by said web site, each of said plurality of tasks comprising a task identifier and a task function, said plurality of tasks being stored in one or more task definition files;

10 a label editing module configured for creating, modifying and removing a plurality of labels that may be displayed on one or more of said plurality of web pages of said web site, each of said plurality of labels comprising a label identifier and a label text, said plurality of labels being stored in one or more label definition files;

15 an image editing module configured for creating, modifying and removing a plurality of images that may be displayed on one or more of said plurality of web pages of said web site, each of said plurality of images comprising an image identifier and an image file name, said plurality of images being stored in one or more image definition files; and

20 a page generating module configured for generating each of said plurality of web pages of said web site, said page generating module being configured to obtain a display format of a web page from a style sheet file, said style sheet file including label identifiers of the labels to be displayed on said web page and image identifiers of the images to be displayed on said web page, said page generating module being further configured to obtain from label definition files the label texts of the labels to be displayed on said page, said page generating  
25 module being further configured to obtain from image definition files the image file names of the images to be displayed on said page, said page generating module being further configured to obtain from task definition files the task functions of the tasks to be invoked on said page.

30 2. The system of Claim 1, wherein said web site comprises a root level, a page level and an intermediate level, wherein said web site is divided at said

intermediate level into multiple sub-sites, each of said sub-sites comprising one or more of said plurality of web pages.

3. The system of Claim 2, wherein said task editing module is configured to divide said plurality of tasks into multiple task groups such that each of said multiple task groups corresponds to each of said multiple sub-sites, each of said task groups includes one or more of said plurality of tasks that may be invoked by the corresponding sub-site.

4. The system of Claim 3, wherein said task editing module is configured to modify a task of a sub-site by modifying said task on a web page of said sub-site.

5. The system of Claim 2, wherein said label editing module is configured to divide said plurality of labels into multiple label groups such that each of said multiple label groups corresponds to each of said multiple sub-sites, each of said label groups includes one or more of said plurality of labels that may be displayed by the corresponding sub-site.

6. The system of Claim 5, wherein said label editing module is configured to modify a label of a sub-site by modifying said label on a web page of said sub-site.

7. The system of Claim 2, wherein said image editing module is configured to divide said plurality of images into multiple image groups such that each of said multiple image groups corresponds to each of said multiple sub-sites, each of said image groups includes one or more of said plurality of images that may be displayed by the corresponding sub-site.

8. The system of Claim 7, wherein said image editing module is configured to modify an image of a sub-site by modifying said image on a web page of said sub-site.

9. The system of Claim 1, wherein said page generating module generates web pages dynamically upon receiving a generation request from a client.

10. The system of Claim 1, wherein said one or more label definition files are XML (eXtensible Markup Language) files.

11. The system of Claim 1, wherein said one or more image definition files are XML files.

12. The system of Claim 1, wherein said one or more task definition files are Active Server Page files.

13. The system of Claim 1, wherein said one or more task definition files are Java Server Page files.

5 14. The system of Claim 1, wherein said one or more task definition files are scripting language files.

15. The system of Claim 1, wherein a user interface of said task editing module is programmed in a markup language.

10 16. The system of Claim 1, wherein a user interface of said image editing module is programmed in a markup language.

17. The system of Claim 1, wherein a user interface of said label editing module is programmed in a markup language.

18. The system of Claim 1, wherein said task editing module is configured to assign a success task or page identifier and a fail task or page identifier to each of said plurality of tasks (said master task), said success task or page identifier identifies a task to be invoked or a web page to be displayed if said master task is successfully executed, said fail task or page identifier identifies a task to be invoked or a web page to be displayed if said master task is unsuccessfully executed, wherein modifying a master task comprises modifying a success task or page identifier or a fail task or page identifier of said master task.

15

20

19. A method of modifying a web site having a plurality of web pages, said method comprising:

storing label definitions in one or more label definition files in a markup language format, each of said label definitions comprising a label identifier and a label text;

25

storing task definitions in one or more task definition files, each of said task definitions comprising a task identifier and a task function;

storing image definitions in one or more image definition files in a markup language format, each of said image definitions comprising an image identifier and an image file name;

30

for each of said plurality of web pages, identifying one or more (if any) labels to be displayed on said web page by referring to said label identifiers of said labels, identifying one or more (if any) images to be displayed on said web page by referring to said image identifiers of said images, and identifying one or more (if any) tasks to be invoked on said web page by referring to said task identifiers of said tasks;

prompting a user to modify a stored definition of a label, a task, or an image; and

for each of said plurality of web pages, generating said web page upon receiving a generation request, according to said identified labels, images, and tasks.

20. The method of Claim 19, wherein said plurality of web pages includes a label editing web page, wherein said prompting a user to modify a stored definition of a label comprises prompting said user to modify a definition of a label on said label editing web page.

21. The method of Claim 19, wherein said plurality of web pages includes a task editing web page, wherein said prompting a user to modify a stored definition of a task comprises prompting said user to modify a definition of a task on said task editing web page.

22. The method of Claim 19, wherein said plurality of web pages includes an image editing web page, wherein said prompting a user to modify a stored definition of an image comprises prompting said user to modify a definition of an image on said image editing web page.

23. The method of Claim 19, wherein said prompting a user to modify a stored definition of a label, a task, or an image comprises prompting a user to modify a definition of a label, a task, or an image on a web page on which said label, task, or image is displayed or invoked, said web page being one of said plurality of web pages.

24. The method of Claim 19, wherein generating said web page comprises dynamically generating said web page upon receiving a generation request from a client.

25. The method of Claim 19, wherein said web site comprises a plurality of sub-sites, wherein storing label definitions in one or more label definition files

comprises storing label definitions in a plurality of label definition files each corresponding to a sub-site.

26. The method of Claim 19, wherein said web site comprises a plurality of sub-sites, wherein storing task definitions in one or more task definition files comprises storing task definitions in a plurality of task definition files each corresponding to a sub-site.

27. The method of Claim 19, wherein said web site comprises a plurality of sub-sites, wherein storing image definitions in one or more image definition files comprises storing image definitions in a plurality of image definition files each corresponding to a sub-site.

28. The method of Claim 19, wherein each task definition of a task (said master task) further comprises a success task or page identifier and a fail task or page identifier, said success task or page identifier being a task identifier of the task to be invoked or a page identifier of the web page to be displayed if said master task is successfully executed, said fail task or page identifier being a task identifier of the task to be invoked or a page identifier of the web page to be displayed if said master task is unsuccessfully executed.

29. The method of Claim 19, wherein identifying one or more labels to be displayed on a web page comprises identifying said labels in a style sheet file associated with said web page, wherein identifying one or more images to be displayed on a web page comprises identifying said images in said style sheet file.

30. The method of Claim 19, wherein said web site comprises a plurality of sub-sites, the method further comprising creating a markup language file for each of said plurality of sub-sites, said markup language file including a first list of web pages of the sub-site, said markup language file further including, for each of said listed web pages, a second list of tasks that may be invoked on said web page.

31. The method of Claim 30, wherein said markup language file is an XML file.

32. The method of Claim 30, further comprising:  
prompting said user to add a task to one of said plurality of web pages by referring to a task identifier of said task; and

automatically modifying a markup language file of a sub-site of said web page to include said added task in a second list of tasks for said web page.

33. The method of Claim 30, further comprising:

prompting said user to remove a task from one of said plurality of web pages by referring to said task identifier of said task; and

automatically modifying a markup language file of a sub-site of said web page to remove said task from a second list of tasks for said web page.

34. The method of Claim 19, further comprising:

prompting said user to change a hyperlink.

35. The method of Claim 19, further comprising:

Prompting a user to select one of said plurality of web pages for display;

prompting said user to add a label to said displayed web page by prompting said user to enter a label text for a new label definition or to select an existing label definition from the stored label definitions;

automatically storing said new label definition in one of said label definition files, if said user has entered a new label definition; and

automatically updating a style sheet file associated with said displayed web page to include a label identifier to said entered new label definition or to said selected existing label definition.

36. The method of Claim 35, further comprising:

prompting said user to identify a location on said displayed web page for displaying said added label; and

automatically updating said style sheet file to associate said identified location with said label identifier to said added label.

37. The method of Claim 19, further comprising:

prompting a user to select one of said plurality of web pages for display;

prompting said user to add an image to said displayed web page by prompting said user to enter an image file name for a new image definition or to select an existing image definition from the stored image definitions;

automatically storing said new image definition in one of said image definition files, if said user has entered a new image definition; and

automatically updating a style sheet file associated with said displayed web page to include an image identifier to said entered new image definition or to said selected existing image definition.

38. The method of Claim 37, further comprising:

5                   prompting said user to identify a location on said displayed web page for  
displaying said added image; and

automatically updating said style sheet file to associate said identified location with said image identifier to said added image.

10